

CLAIMS

What is claimed is:

1. A tonneau cover system for a cargo box of a vehicle, said cargo box having a sidewall, said tonneau system comprising:

a support frame having a pair of side rail members and a front rail member;

a cover spanning said support frame;

a cantilever beam assembly flexibly coupled with said front rail member;

an adjustment support bracket extending from at least one of said rail members, said adjustment support bracket having a finger member, said finger member being engageable with said cantilever beam assembly to bias said front rail member into a first direction to generally maintain a tension in said cover.

2. The tonneau cover system according to Claim 1 wherein said cantilever beam assembly comprises:

a cantilever beam having a first end and a second end, said first end of said cantilever beam being coupled to said front rail member through a slidable bracket assembly.

3. The tonneau cover system according to Claim 2 wherein said slidable bracket assembly comprises:

a mounting bracket slidably retained within a slot formed in said front rail member.

4. The tonneau cover system according to Claim 3, further comprising:

a shim member positioned between said mounting bracket and said cantilever beam to position said cantilever beam in an initially biased position.

5. The tonneau cover system according to Claim 1 wherein said finger member is generally L-shaped.

6. The tonneau cover system according to Claim 1 wherein said cantilever beam assembly is generally concealed within said front rail member.

7. A tonneau cover system for a cargo box of a vehicle, said cargo box having a sidewall, said tonneau system comprising:

a support frame having a pair of side rail members and a front rail member;

a cover spanning said support frame;

a cantilever beam having a first end and a second end, said first end of said cantilever beam being coupled to said front rail member through a slidable bracket assembly;

an adjustment support bracket extending from at least one of said rail members, said adjustment support bracket having a finger member, said finger member being engageable with said second end of said cantilever beam to bias said front rail member into a first direction to generally maintain a tension in said cover.

8. The tonneau cover system according to Claim 7 wherein said slidable bracket assembly comprises:

a mounting bracket slidably retained within a slot formed in said front rail member.

9. The tonneau cover system according to Claim 8, further comprising:

a shim member positioned between said mounting bracket and said cantilever beam to position said cantilever beam in an initially biased position.

10. The tonneau cover system according to Claim 7 wherein said finger member is generally L-shaped.

11. The tonneau cover system according to Claim 6 wherein said cantilever beam is generally concealed within said front rail member.

12. A tonneau system for a cargo box of a vehicle, said tonneau system comprising:

a support frame having a side rail and a front rail;

a cover spanning said support frame; and

an adjustment limit limiting fore and aft movement of said front rail relative to said side rail to a predetermined range, said adjustment limit having an upturned edge extending from said side rail and extending into a slot formed in said front rail, edges of said slot contactable with said upturned edge to limit said fore and aft movement.

13. A tonneau cover system for a cargo box of a vehicle, said cargo box having a sidewall, said tonneau system comprising:

a support frame having a side rail member mountable to the sidewall and an orthogonal rail member being generally orthogonal to said side rail member;

a cover spanning said support frame; and

a biasing member coupled to said orthogonal rail member, said biasing member engaging said side rail member and limiting fore and aft movement of said orthogonal rail member relative to said side rail member to a predetermined range.

14. The tonneau cover system according to Claim 13 wherein said biasing member is a cantilever beam having an end operably received within a slot formed in said side rail member.

15. The tonneau cover system according to Claim 13 wherein said biasing member is coupled to said orthogonal rail member through a slidable bracket assembly comprising:

a mounting bracket slidably retained within a slot formed in said orthogonal rail member.

16. The tonneau cover system according to Claim 13 wherein said orthogonal rail member is a front rail member.

17. The tonneau cover system according to Claim 13 wherein said orthogonal rail member is a rear rail member.